

**BALANCED-BALANCED TYPE TRANSFORMER**

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Inventor(s): SATOU NORIO; others: 02  
Applicant(s): FUJITSU KK  
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**Abstract**

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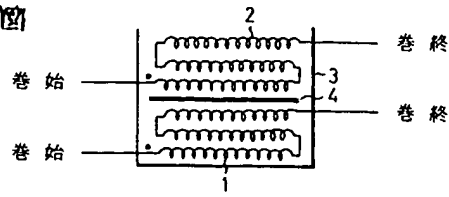
**PURPOSE:**To eliminate an increase in parallel equivalent capacity and to make a transformer with a reasonable price as well by a method wherein a bobbin used for the transformer is placed in parallel with the axial core of an iron core to divide into two and half each of the primary winding having the reverse winding direction respectively and the similar secondary windings located on the respective primary windings are provided on the bobbin and respective windings are connected in series.

**CONSTITUTION:**The bobbin for a transformer placed in parallel with the axial core of an iron core is divided into two and half each of the primary winding, Ia and Ib having the reverse winding direction respectively is wound on the base section of the bobbin respectively. Half each of the secondary winding IIa and IIb having the reverse winding direction in the same way is respectively wound on the primary windings and the ends of the windings of the primary windings Ia and Ib are connected in series and those of the secondary windings are also connected in series. In this way, the neutral points of the primary windings and the secondary windings become zero electrical potential. Then, insulators provided between these windings are not required and parallel equivalent capacity against these windings becomes small.

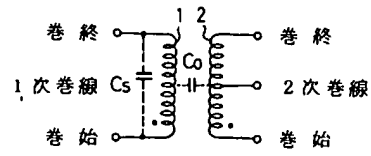
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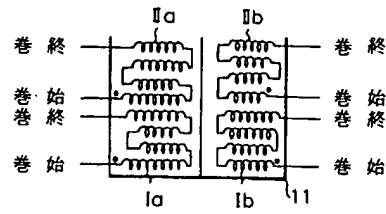
第 1 図



第 2 図



第 3 図



第 4 図

